

## **Datex II**

### **HIGHWAYS AGENCY**

Datex II is a set of specifications for exchanging traffic information in a standard format between disparate systems. It is aimed at harmonising the exchange of traffic and travel information across Europe, at all levels applicable to road operators (non-urban and urban) and service providers.

Datex II covers all traffic information which is related to non-urban and urban road networks. This ranges from traffic events such as accidents and road works to traffic flow, occupancy and travel times.

The implementation of Datex II links enables the exchange of real-time traffic data between the Highways Agency's NTCC and Local Transport Authorities. It facilitates the electronic exchange of traffic and travel related data between traffic centres including cross border exchange. Datex II is a structured data model using UML, this features a platform independent model that can be mapped to multiple implementation platforms.

#### **HOW DOES IT WORK?**

Datex II is used for machine to machine exchanges of operational data both within and between organisations to:-

- Exchange real time traffic & travel data with other highway authorities;
- Facilitate a co-ordinated approach to incident & traffic management;
- Harmonise the exchange of traffic and travel information across Europe at all levels applicable to road authorities & service providers;
- Enable road authorities to supply service providers with real time traffic data;
- Support the co-ordination of cross-jurisdictional boundary incident management or diversion measures;

An organisation adopting the Datex II approach can exchange traffic information and data between its own systems and those of other organisations. Machine to machine exchanges enable highway authorities to view traffic conditions and events on neighbouring networks without the need to re-key large amounts of data

#### **WHAT ARE THE BENEFITS OF USING DATEX II?**

- Adoption of Datex II as the traffic data exchange standard within the Highways Agency will support its internal needs as well as giving as offering a standardised approach for HA's external partners.
- The Highways Agency will be able to base its systems architecture on open standards which will help with future systems integration

- It enables the HA to take a pro-active approach in exchanging traffic data with local traffic authorities and therefore put the information structure in place to support closer coordination of traffic management with these authorities.
- Enables the Highways Agency to provide traffic Information service providers with a feed of traffic data, helping to facilitate an increase in the range and quality of traffic information available to the public.

## **FURTHER INFORMATION**

Further information is available at [www.datex2.eu](http://www.datex2.eu)

Alternatively please contact Damian Morris at the Highways Agency

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